

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
 Data File : BF128272.D
 Acq On : 16 May 2022 17:12
 Operator : CG\JU
 Sample : N2823-06DL 25X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-6DL

Quant Time: May 17 06:22:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

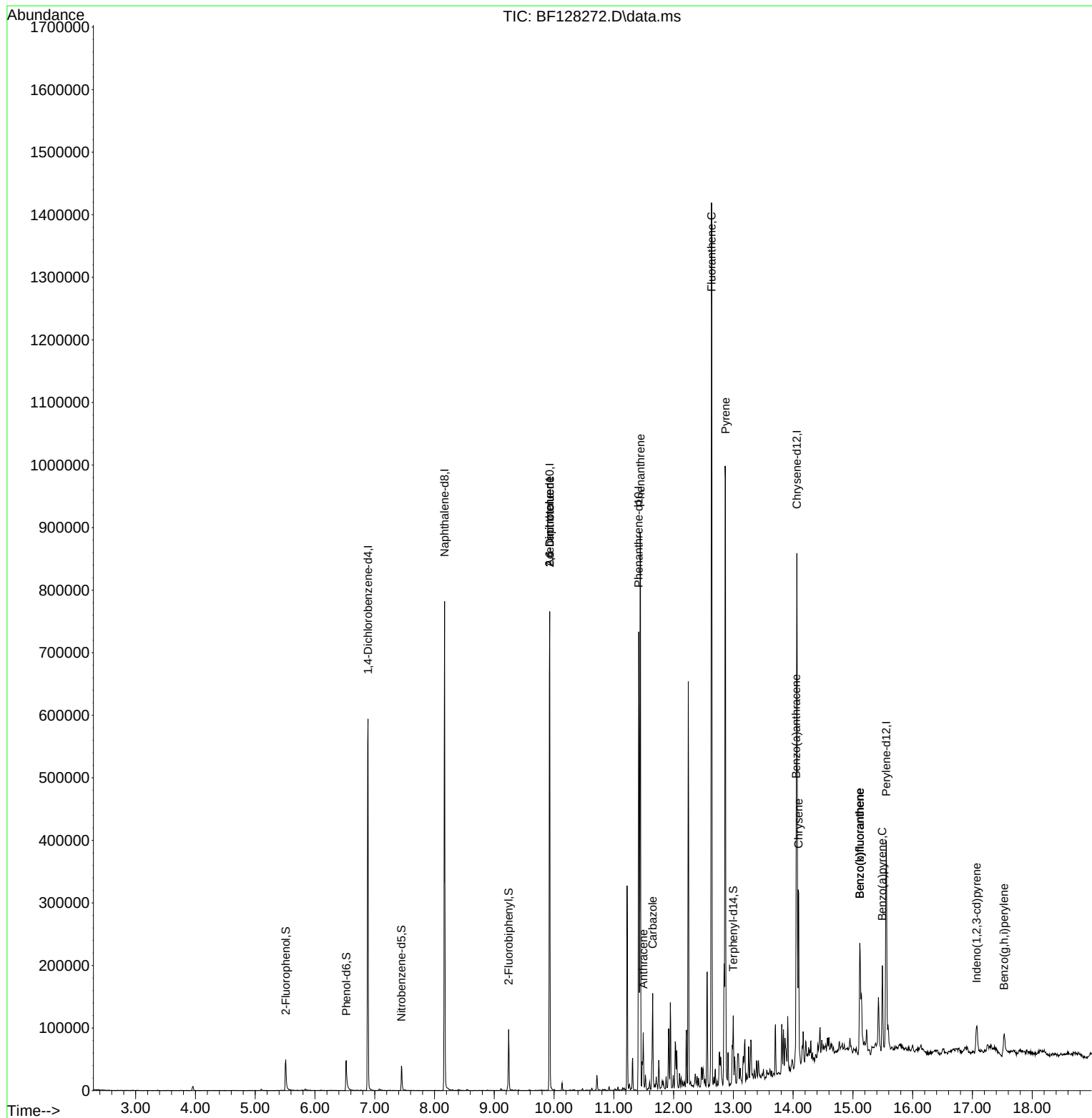
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	83578	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313439	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	156319	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	255511	20.000	ng	0.00
76) Chrysene-d12	14.063	240	221273	20.000	ng	0.00
86) Perylene-d12	15.557	264	152675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	17911	3.416	ng	0.00
7) Phenol-d6	6.522	99	23709	3.419	ng	0.00
23) Nitrobenzene-d5	7.445	82	15113	2.170	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	2229	1.243	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	28589	2.862	ng	-0.01
79) Terphenyl-d14	12.998	244	31206	2.646	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.928	165	19445	8.787	ng	# 21
57) 2,4-Dinitrotoluene	9.928	165	19445	6.572	ng	# 26
71) Phenanthrene	11.445	178	332751	26.154	ng	99
72) Anthracene	11.492	178	35322	2.781	ng	97
73) Carbazole	11.651	167	52943	4.383	ng	99
75) Fluoranthene	12.633	202	555761	40.291	ng	98
78) Pyrene	12.869	202	419330	26.136	ng	99
81) Benzo(a)anthracene	14.051	228	137157	9.704	ng	99
83) Chrysene	14.092	228	111422	8.262	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	28033	3.035	ng	98
88) Benzo(b)fluoranthene	15.116	252	125406	13.250	ng	98
89) Benzo(k)fluoranthene	15.116	252	125406	13.423	ng	96
90) Benzo(a)pyrene	15.492	252	58037	7.596	ng	97
92) Benzo(g,h,i)perylene	17.527	276	26407	3.488	ng	95

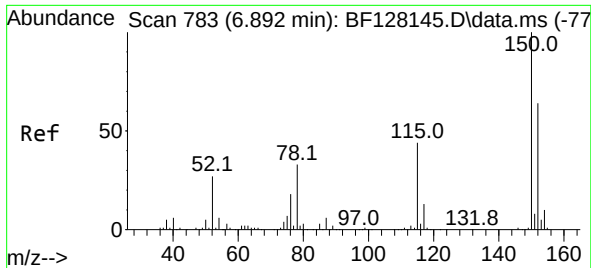
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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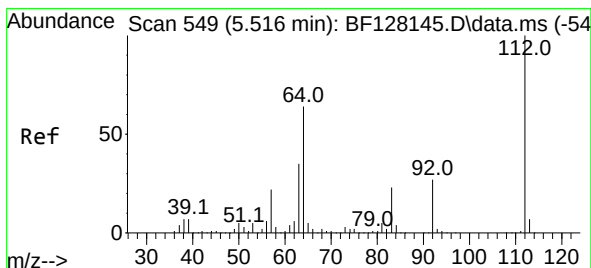
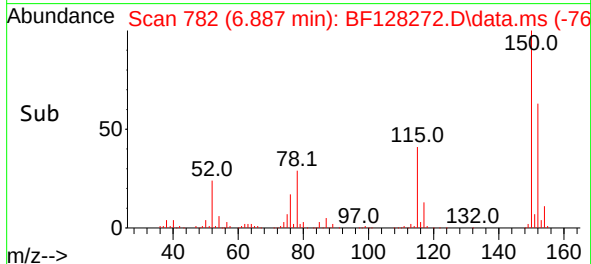
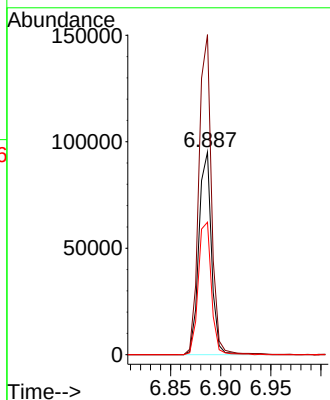
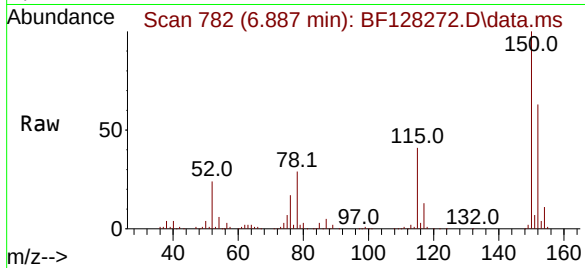




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

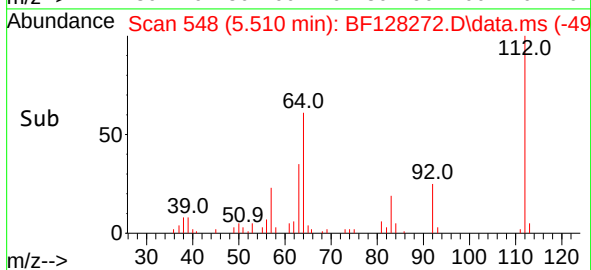
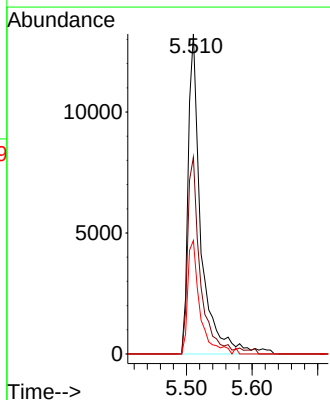
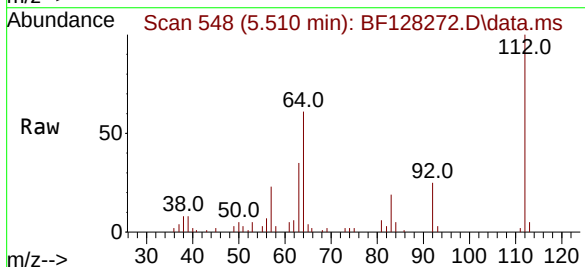
Instrument :
BNA_F
ClientSampleId :
SC-6DL

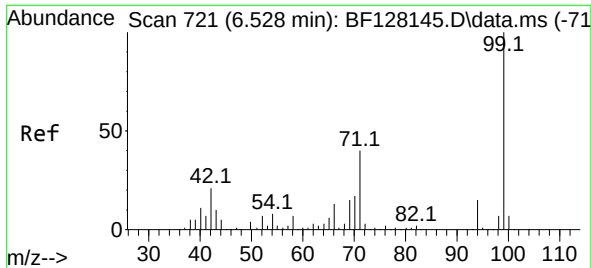
Tgt Ion:152 Resp: 83578
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 65.4 48.8 73.2



#5
2-Fluorophenol
Concen: 3.416 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.000 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:112 Resp: 17911
Ion Ratio Lower Upper
112 100
64 61.5 49.5 74.3
63 35.5 26.3 39.5

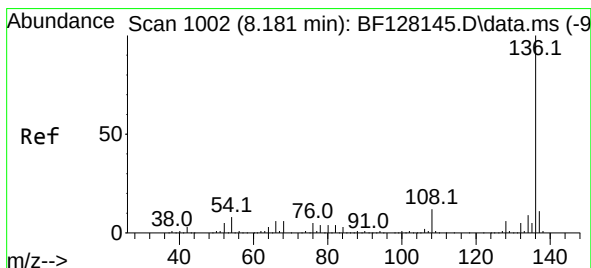
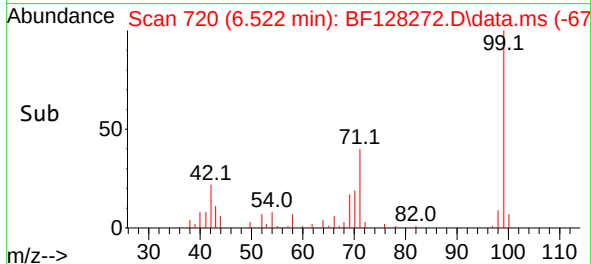
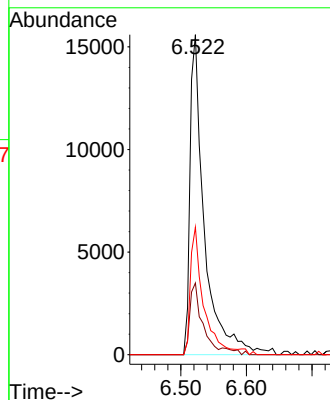
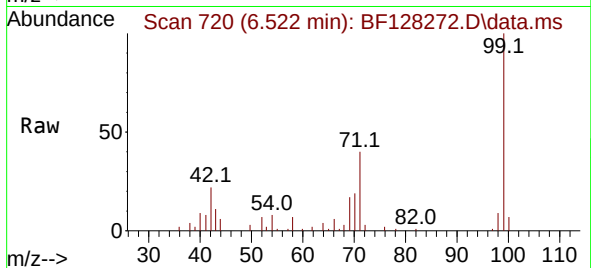




#7
Phenol-d6
Concen: 3.419 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

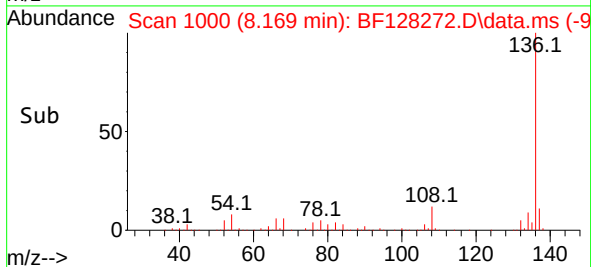
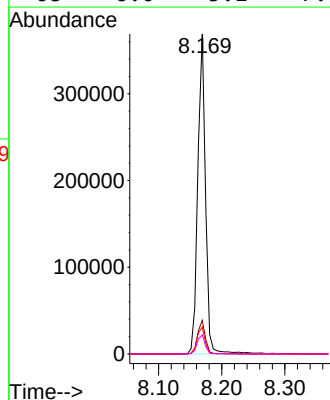
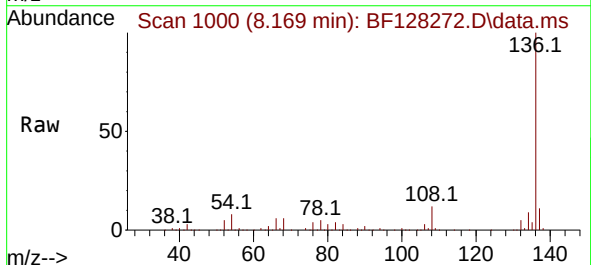
Instrument :
BNA_F
ClientSampleId :
SC-6DL

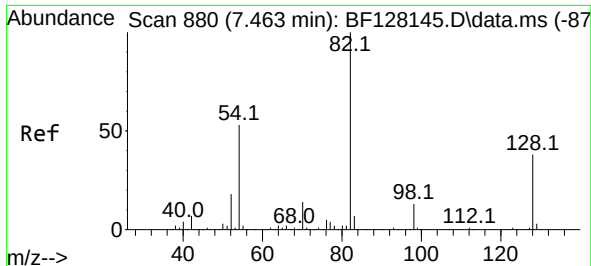
Tgt Ion: 99 Resp: 23709
Ion Ratio Lower Upper
99 100
42 22.4 16.6 24.8
71 39.8 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:136 Resp: 313439
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.4 6.8 10.2
68 6.0 5.1 7.7

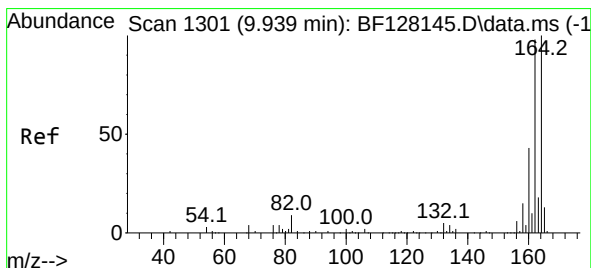
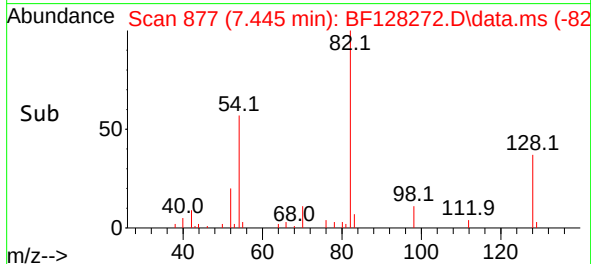
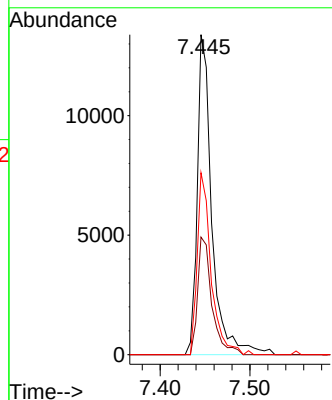
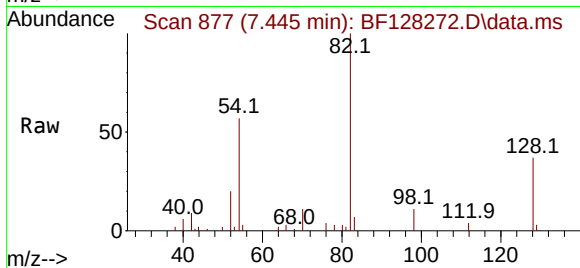




#23
Nitrobenzene-d5
Concen: 2.170 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

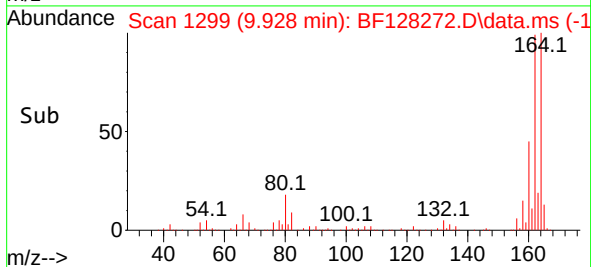
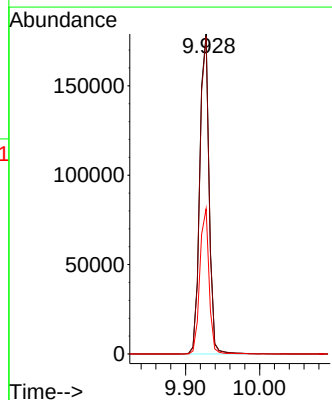
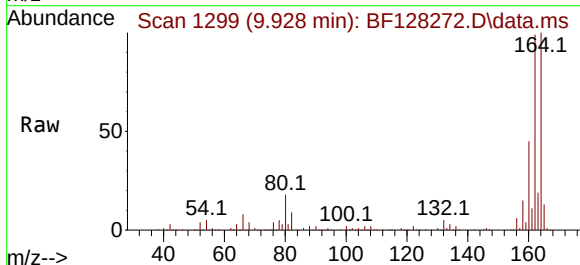
Instrument :
BNA_F
ClientSampleId :
SC-6DL

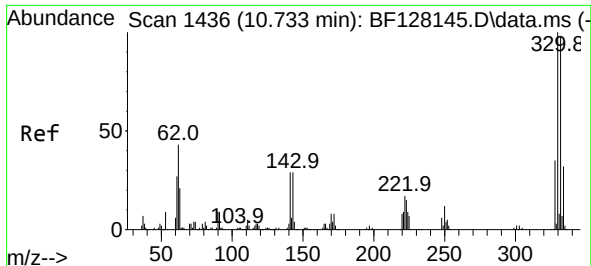
Tgt Ion: 82 Resp: 15113
Ion Ratio Lower Upper
82 100
128 36.7 30.0 45.0
54 56.9 41.3 61.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:164 Resp: 156319
Ion Ratio Lower Upper
164 100
162 99.2 76.0 114.0
160 45.4 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 1.243 ng

RT: 10.722 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF128272.D

Acq: 16 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-6DL

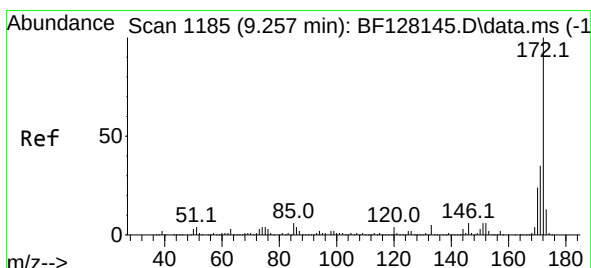
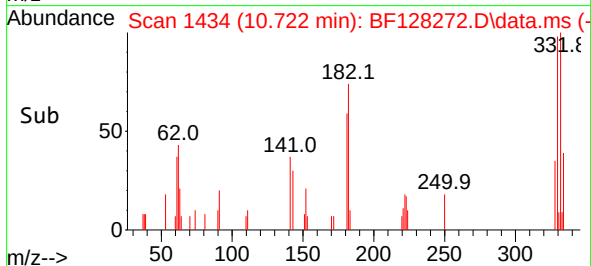
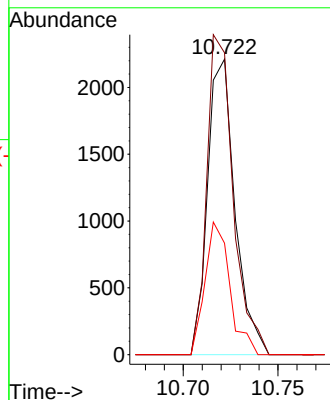
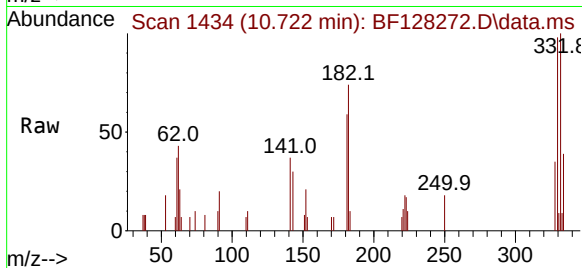
Tgt Ion:330 Resp: 2229

Ion Ratio Lower Upper

330 100

332 104.1 79.0 118.4

141 40.6 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 2.862 ng

RT: 9.239 min Scan# 1182

Delta R.T. -0.012 min

Lab File: BF128272.D

Acq: 16 May 2022 17:12

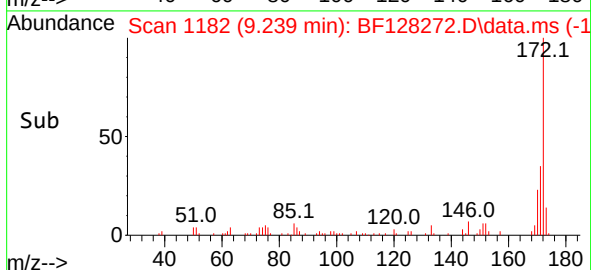
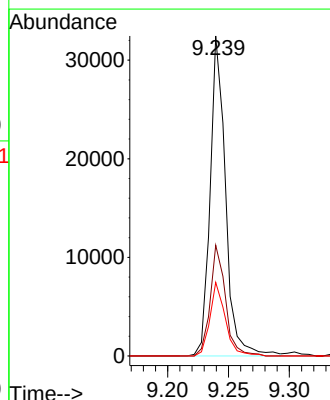
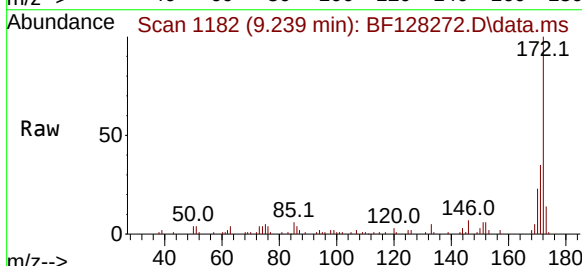
Tgt Ion:172 Resp: 28589

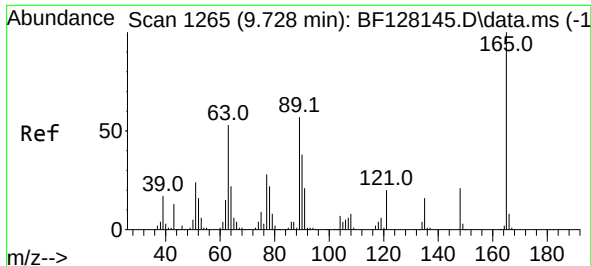
Ion Ratio Lower Upper

172 100

171 34.6 28.6 42.8

170 23.0 19.1 28.7

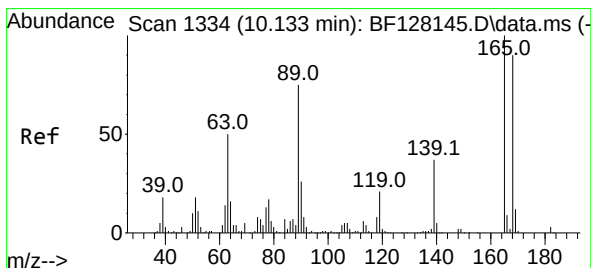
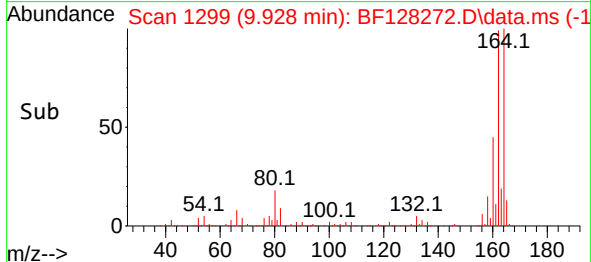
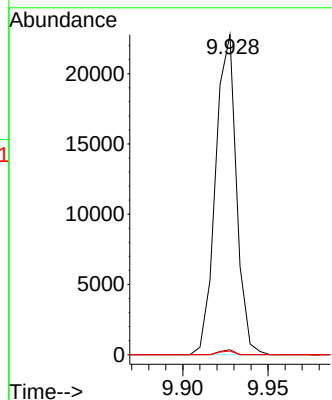
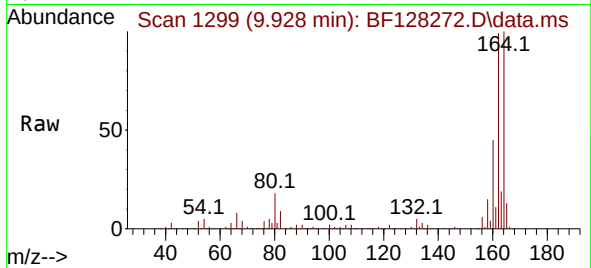




#51
2,6-Dinitrotoluene
Concen: 8.787 ng
RT: 9.928 min Scan# 1299
Delta R.T. 0.206 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

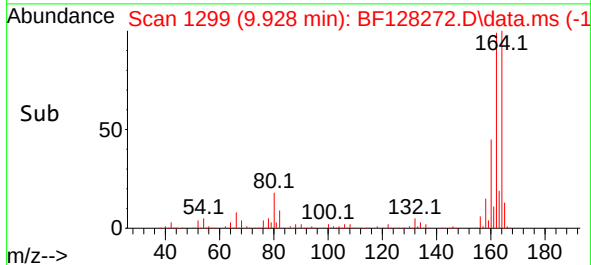
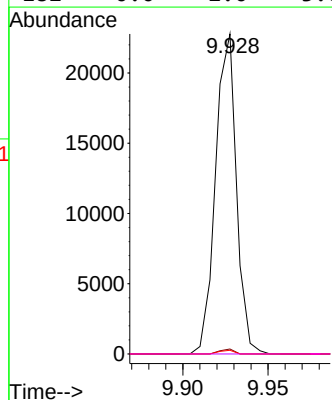
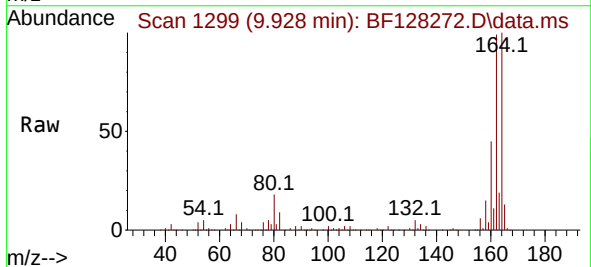
Instrument :
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SC-6DL

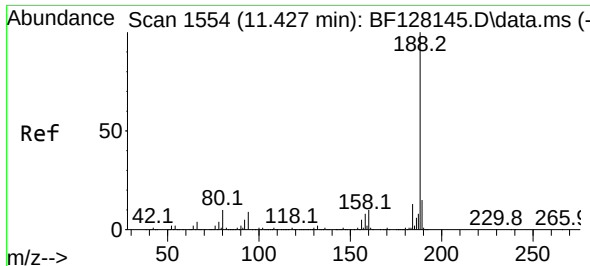
Tgt Ion:165 Resp: 19445
Ion Ratio Lower Upper
165 100
63 1.6 49.5 74.3#
89 1.2 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.572 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.200 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:165 Resp: 19445
Ion Ratio Lower Upper
165 100
63 1.6 32.6 49.0#
89 1.2 55.2 82.8#
182 0.0 2.0 3.0#

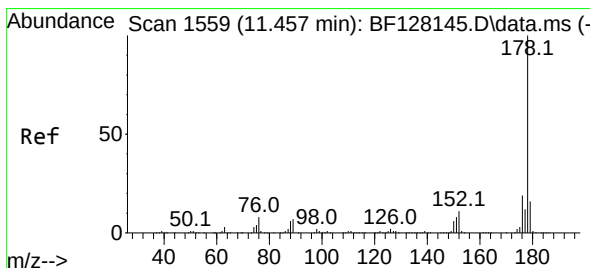
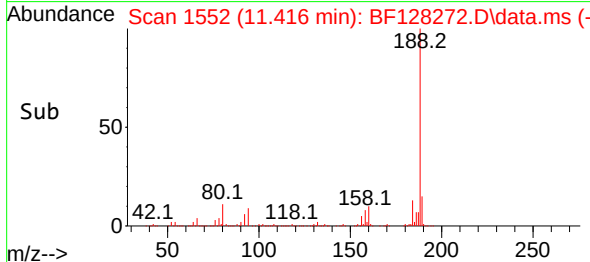
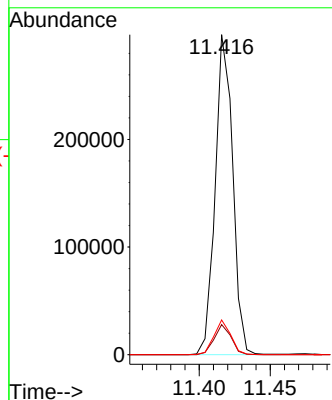
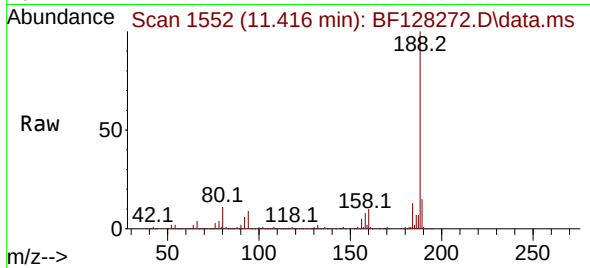




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

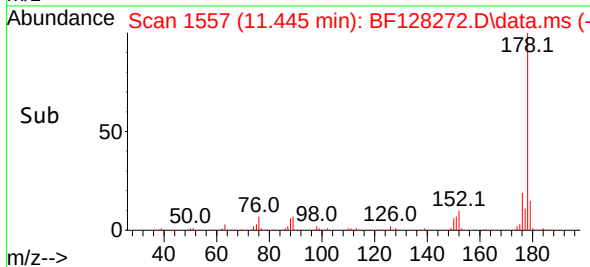
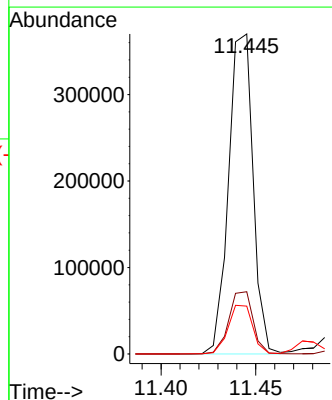
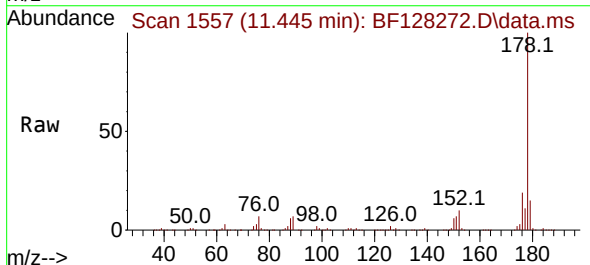
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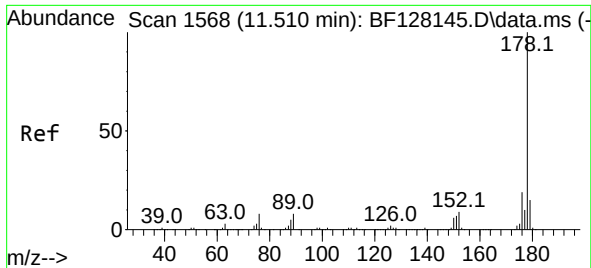
Tgt Ion:188 Resp: 255511
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.9 8.9 13.3



#71
Phenanthrene
Concen: 26.154 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:178 Resp: 332751
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.0 12.6 19.0

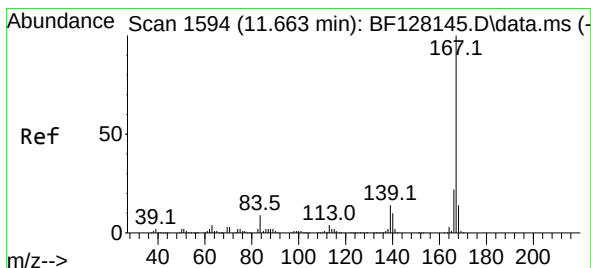
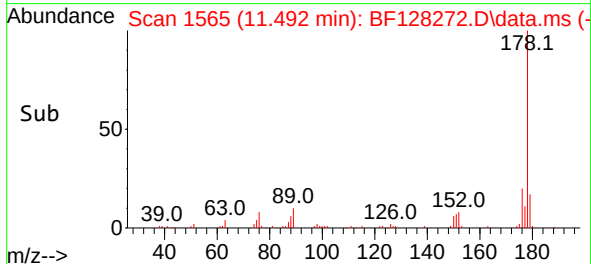
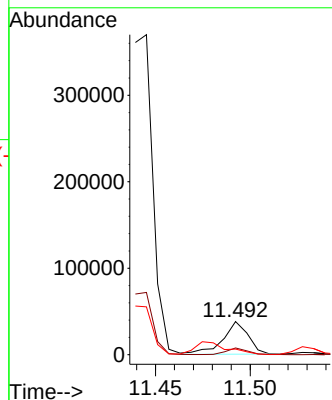
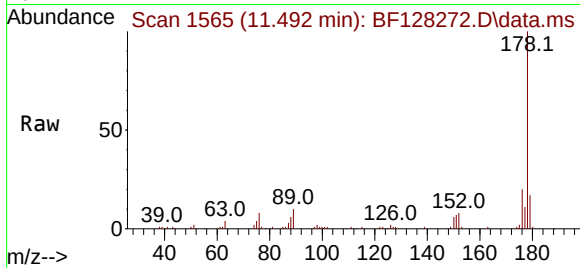




#72
 Anthracene
 Concen: 2.781 ng
 RT: 11.492 min Scan# 1565
 Delta R.T. -0.012 min
 Lab File: BF128272.D
 Acq: 16 May 2022 17:12

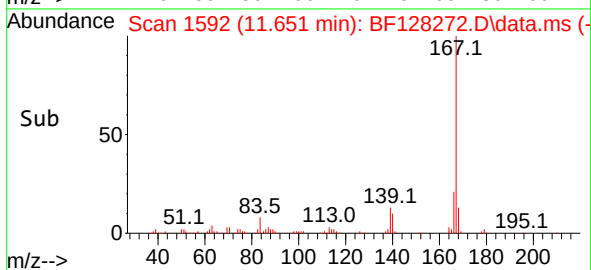
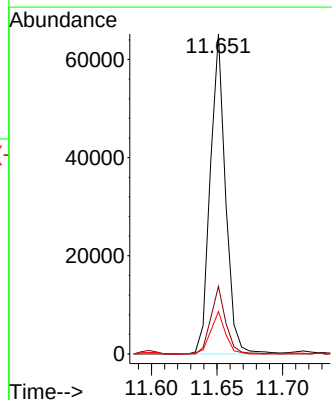
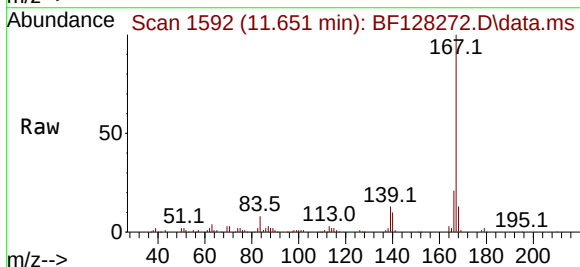
Instrument :
 BNA_F
 ClientSampleId :
 SC-6DL

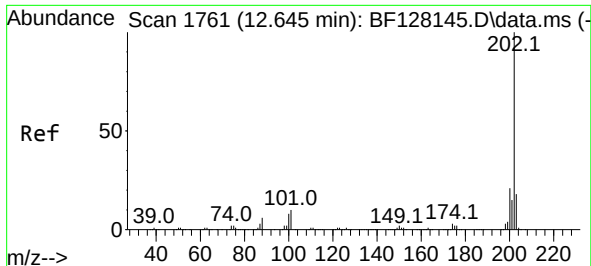
Tgt Ion:178 Resp: 35322
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.0 22.6
 179 16.8 12.4 18.6



#73
 Carbazole
 Concen: 4.383 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF128272.D
 Acq: 16 May 2022 17:12

Tgt Ion:167 Resp: 52943
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 13.2 10.7 16.1

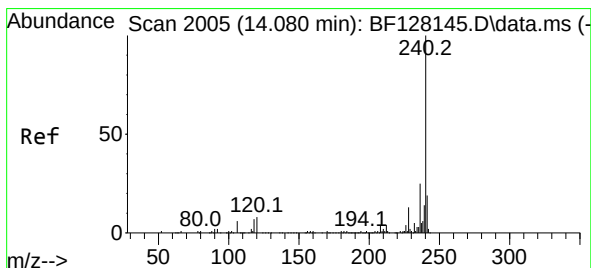
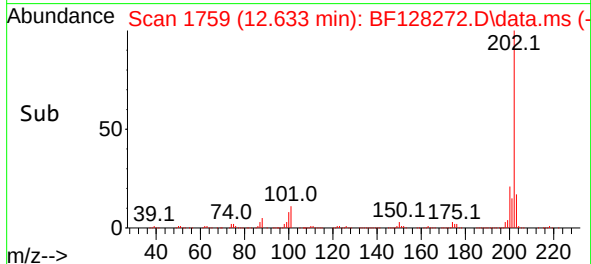
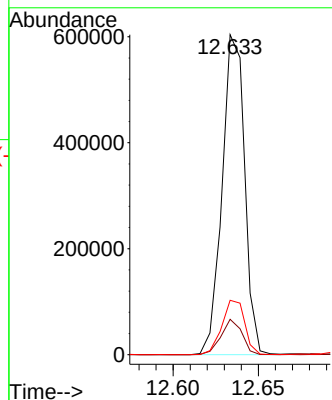
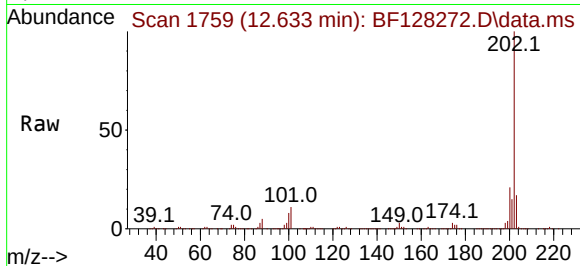




#75
Fluoranthene
Concen: 40.291 ng
RT: 12.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

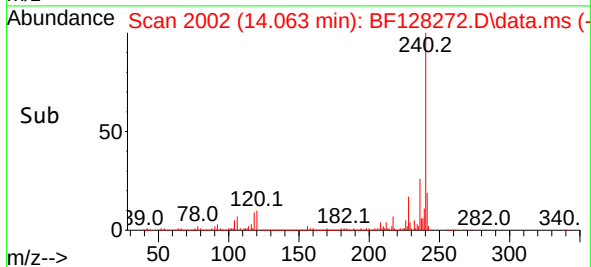
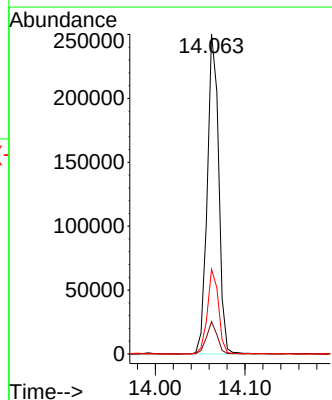
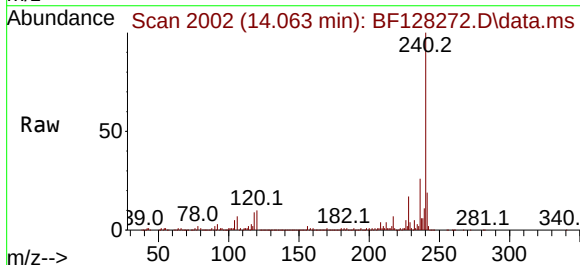
Instrument :
BNA_F
ClientSampleId :
SC-6DL

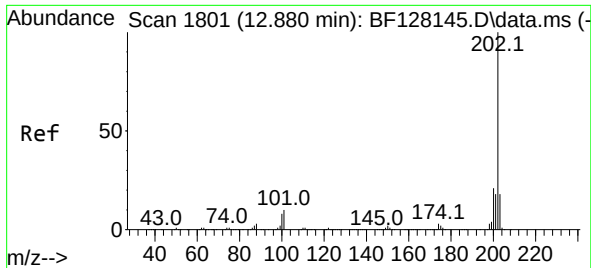
Tgt Ion:202 Resp: 555761
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.6
203 17.0 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:240 Resp: 221273
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 26.5 20.3 30.5

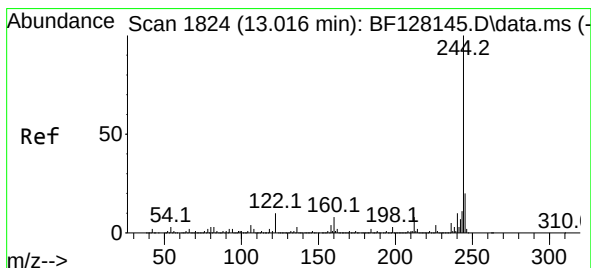
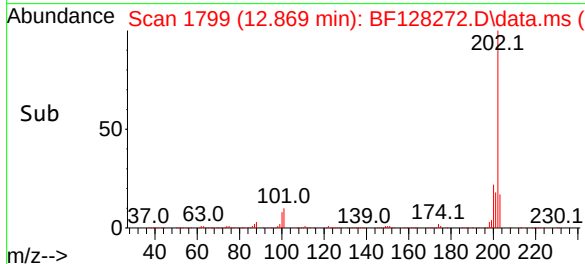
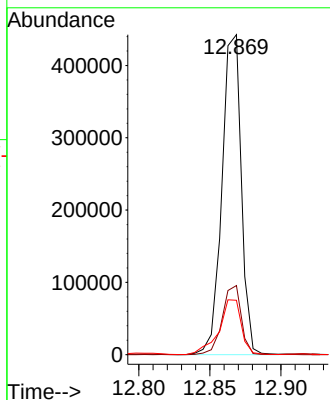
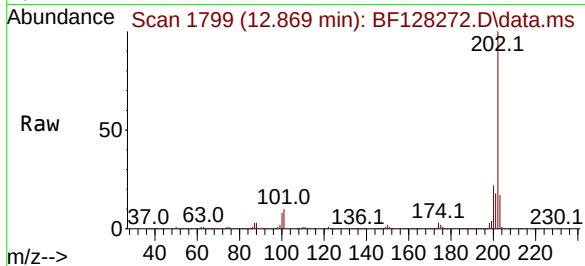




#78
 Pyrene
 Concen: 26.136 ng
 RT: 12.869 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF128272.D
 Acq: 16 May 2022 17:12

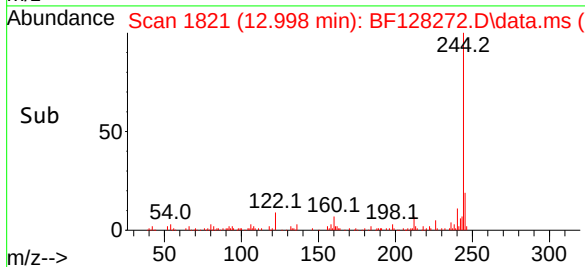
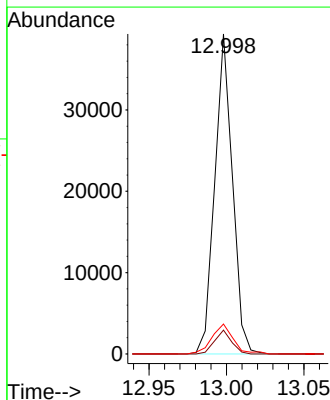
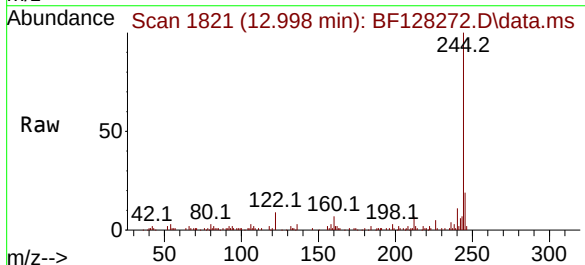
Instrument :
 BNA_F
 ClientSampleId :
 SC-6DL

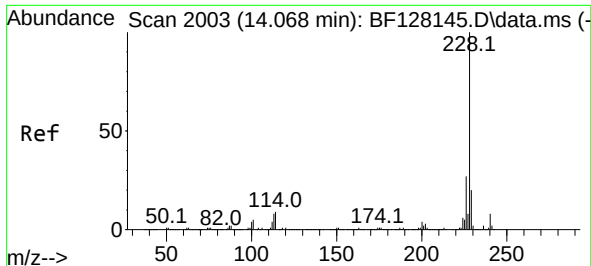
Tgt Ion:202 Resp: 419330
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.4 26.2
 203 17.0 14.0 21.0



#79
 Terphenyl-d14
 Concen: 2.646 ng
 RT: 12.998 min Scan# 1821
 Delta R.T. -0.012 min
 Lab File: BF128272.D
 Acq: 16 May 2022 17:12

Tgt Ion:244 Resp: 31206
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 9.3 8.6 12.8

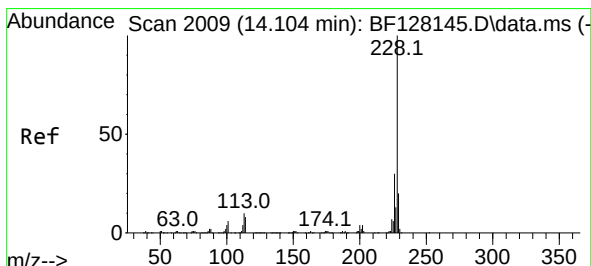
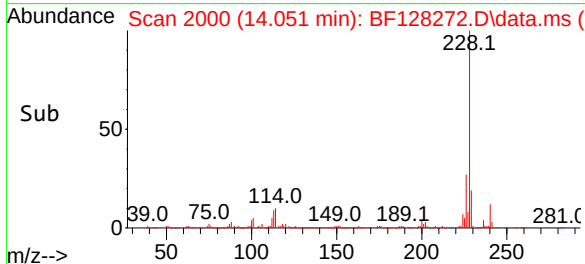
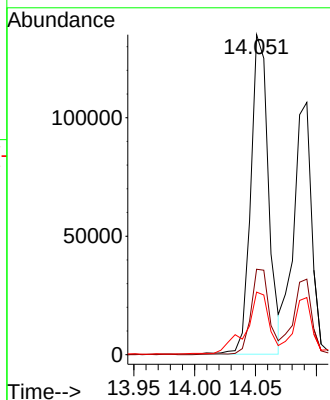
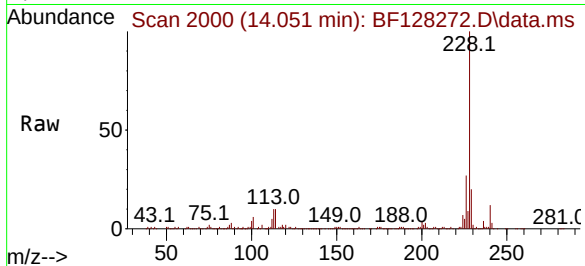




#81
Benzo(a)anthracene
Concen: 9.704 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

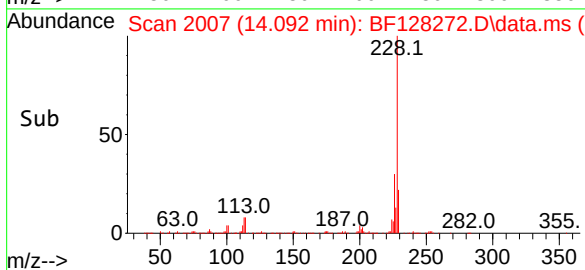
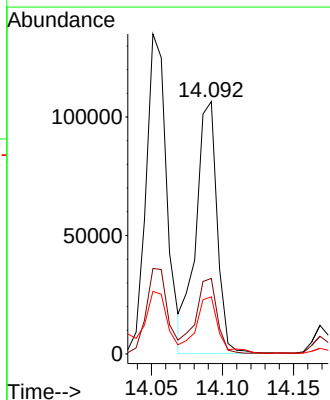
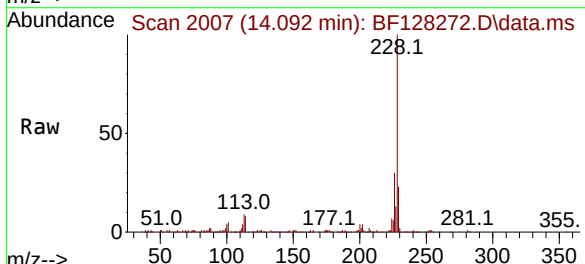
Instrument :
BNA_F
ClientSampleId :
SC-6DL

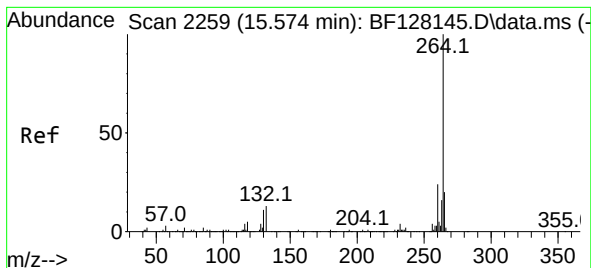
Tgt Ion:228 Resp: 137157
Ion Ratio Lower Upper
228 100
226 26.7 21.7 32.5
229 19.5 15.4 23.2



#83
Chrysene
Concen: 8.262 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:228 Resp: 111422
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 22.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128272.D

Acq: 16 May 2022 17:12

Instrument :

BNA_F

ClientSampleId :

SC-6DL

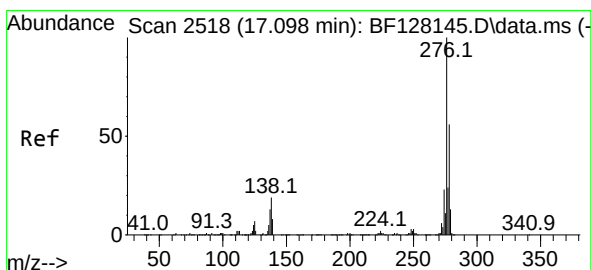
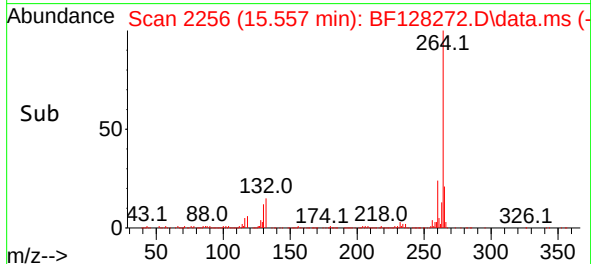
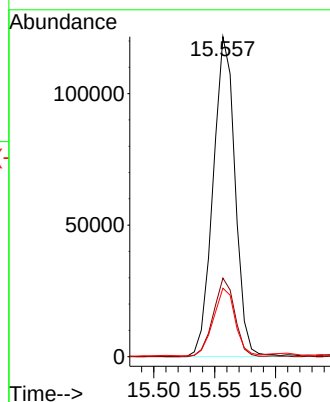
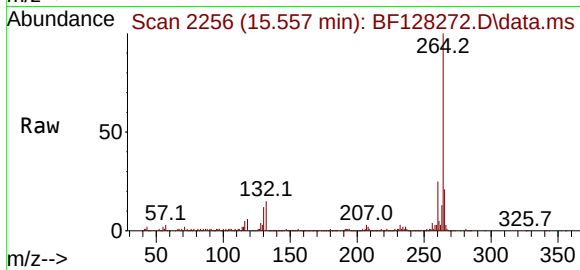
Tgt Ion:264 Resp: 152675

Ion Ratio Lower Upper

264 100

260 24.5 20.1 30.1

265 21.4 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.035 ng

RT: 17.068 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF128272.D

Acq: 16 May 2022 17:12

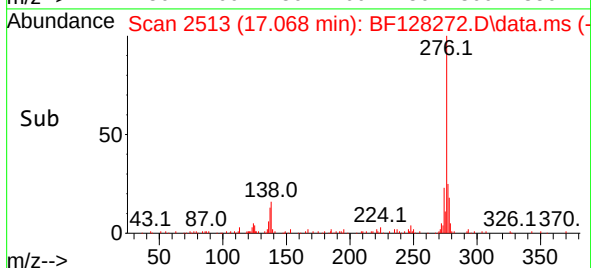
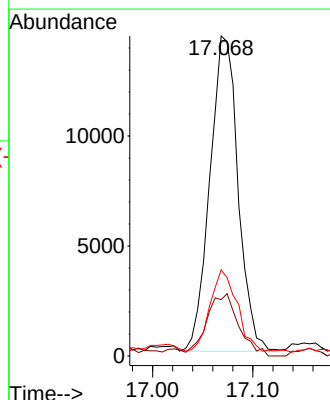
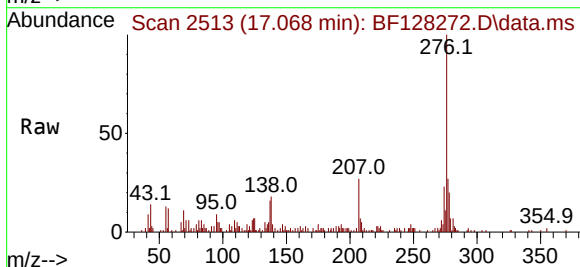
Tgt Ion:276 Resp: 28033

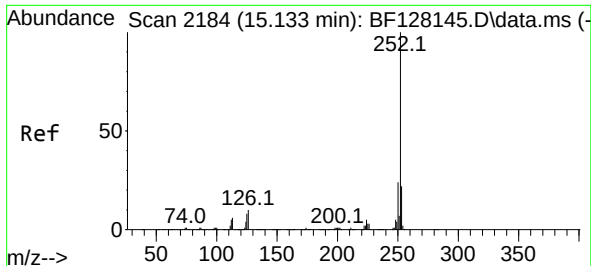
Ion Ratio Lower Upper

276 100

138 22.2 19.0 28.4

277 24.3 20.1 30.1

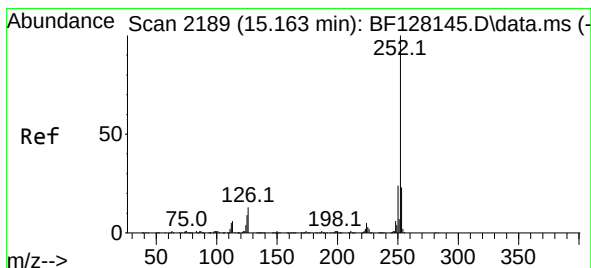
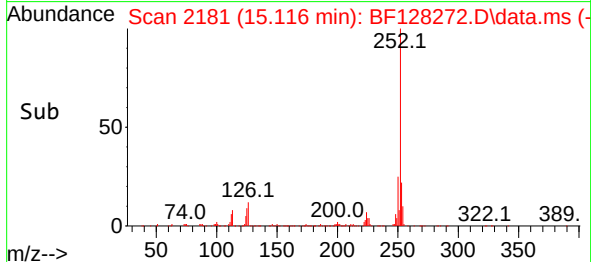
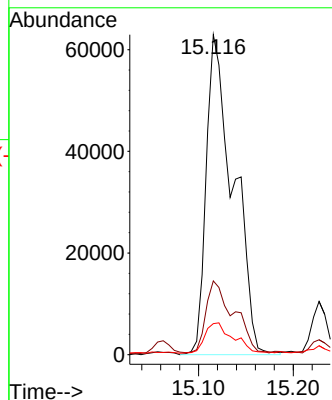
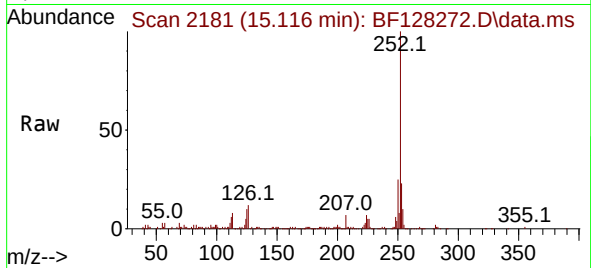




#88
Benzo(b)fluoranthene
Concen: 13.250 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

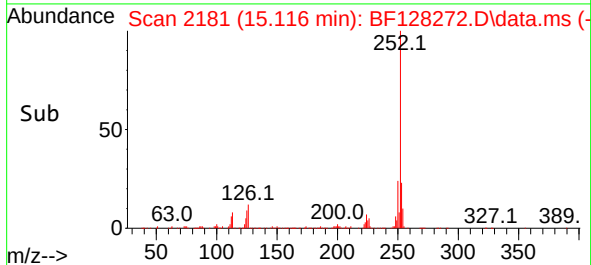
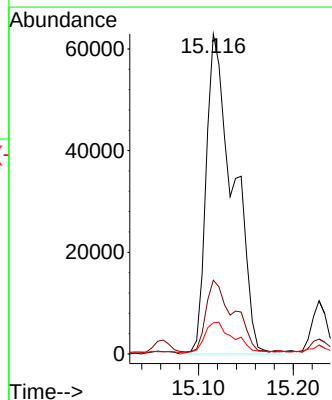
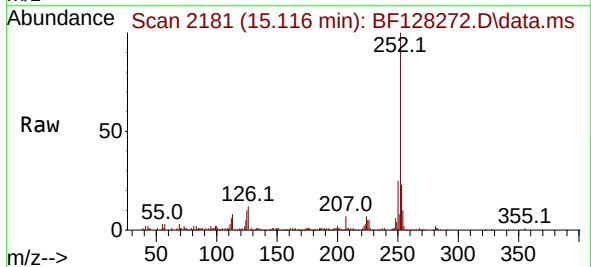
Instrument :
BNA_F
ClientSampleId :
SC-6DL

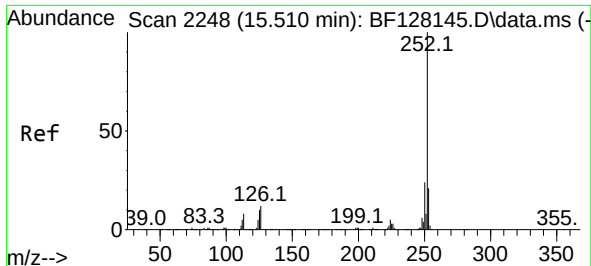
Tgt Ion:252 Resp: 125406
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.7 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 13.423 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.035 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:252 Resp: 125406
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 9.7 6.8 10.2

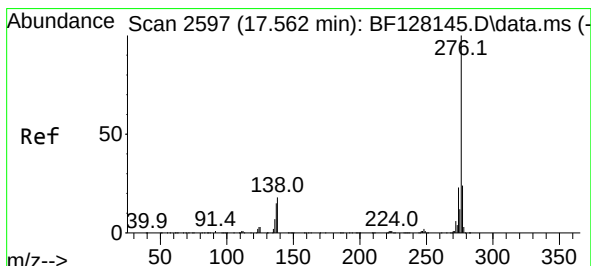
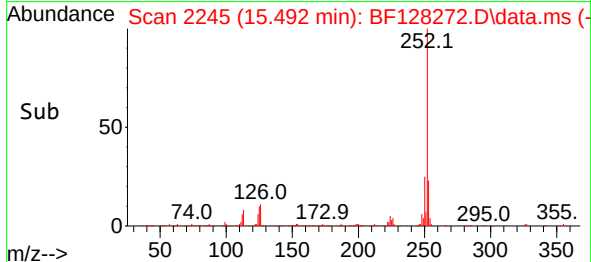
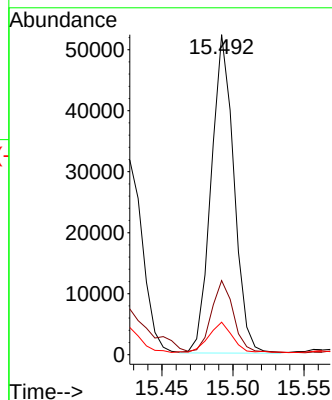
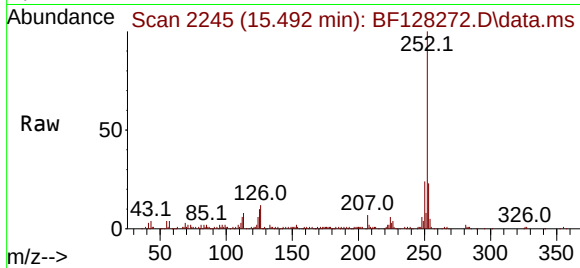




#90
Benzo(a)pyrene
Concen: 7.596 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Instrument :
BNA_F
ClientSampleId :
SC-6DL

Tgt Ion:252 Resp: 58037
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.1 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 3.488 ng
RT: 17.527 min Scan# 2591
Delta R.T. -0.023 min
Lab File: BF128272.D
Acq: 16 May 2022 17:12

Tgt Ion:276 Resp: 26407
Ion Ratio Lower Upper
276 100
277 27.5 18.8 28.2
138 19.6 16.2 24.2

